

FIG. 1

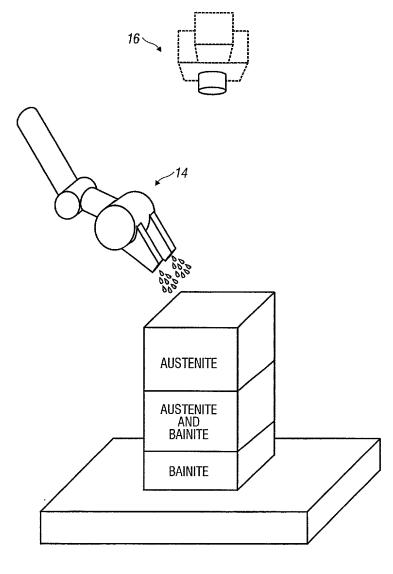


FIG. 1A

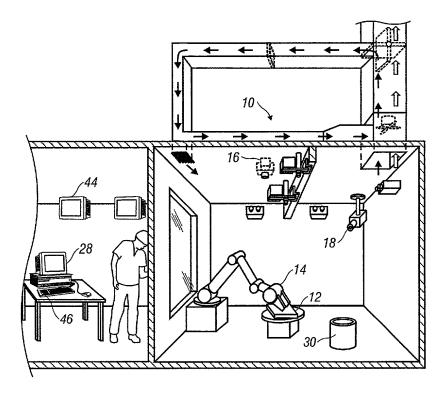
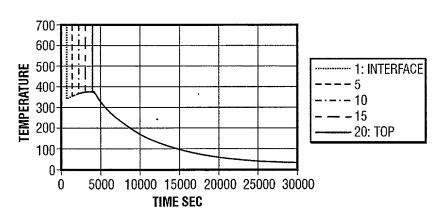
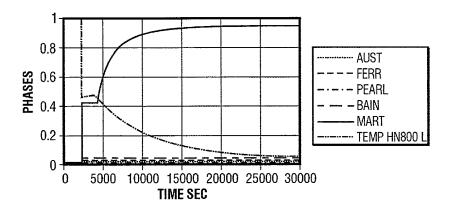


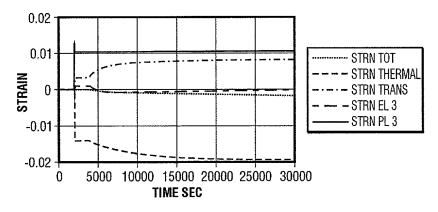
FIG. 2



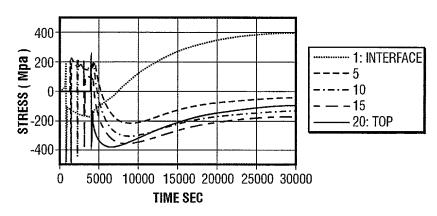
Temperature FIG. 3



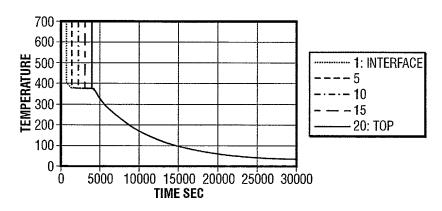
Phases, Position #10 FIG. 4



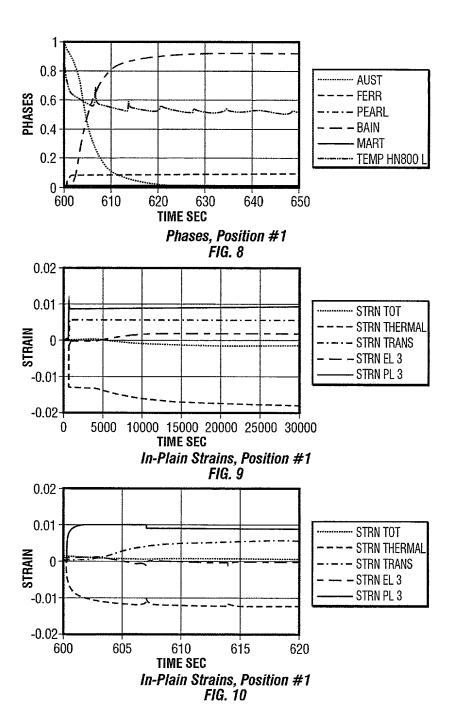
In-Plain Strains, Position #10 FIG. 5

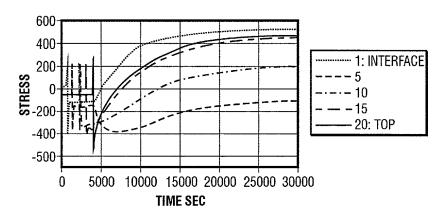


In-Plane Stress FIG. 6

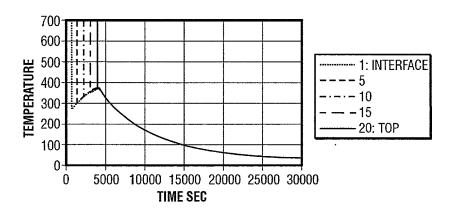


Temperature FIG. 7

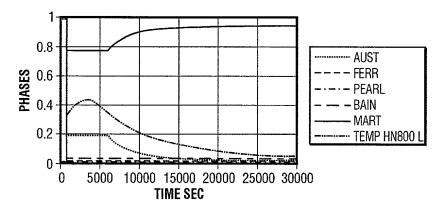




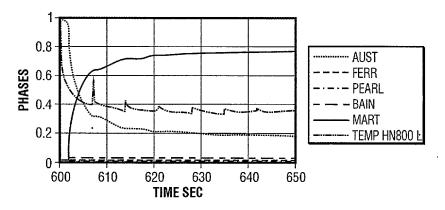
In-Plane Stress FIG. 11



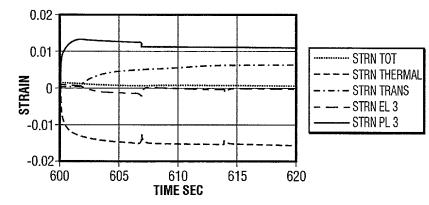
Temperature FIG. 12



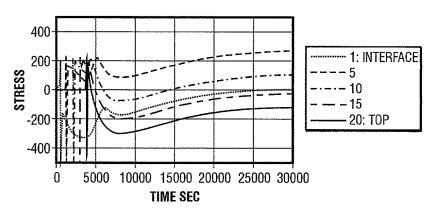
Phases, Position #1 FIG. 13



Phases, Position #1 FIG. 14



In-Plain Strains, Position #1 FIG. 15



In-Plane Stress FIG. 16

WARPAGE IN 0.001 INCH FOR STEADY-STATE TEMP = 280° C

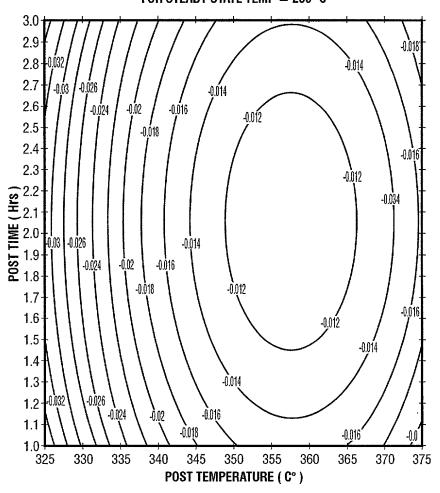
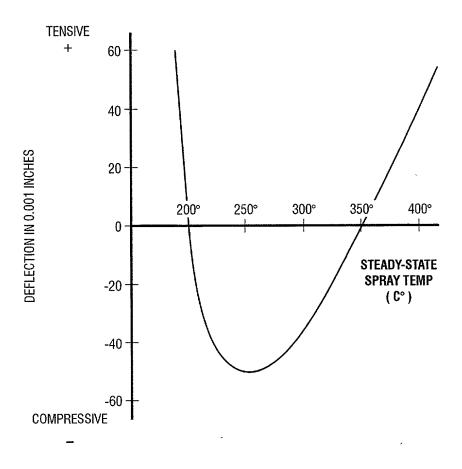


FIG. 17

WARPAGE IN 0.001 INCH FOR STEADY-STATE TEMP = 320° C 3.0 2.9 2.8 -0.004 2.7 -0.004 -0.02 -0,006 2.6 -0.014 -0.01 -0.002 2.5 -0.008 2.4 -0.006 2.3 -0.002 2.2 -0.004 0.02 0.016 -0.004 -0.014 -0,01 -0.006 -0.008 -0.002 1.7 0.006 1.6 1.5 1.4 -0.004 1.3 \ -0.018 \ \ -0.014 1.2 -0.006 -Ò.01 1.0 | 325 365 350 355 360 340 345 370 375 330 335 POST TEMPERATURE (C°)

FIG. 18



WARPAGE (OUT OF FLATNESS) OF SPRAYED METALLIC PLATE VS. STEADY STATE SPRAY TEMPERATURE

FIG. 19